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NOTICE OF ALLOWANCE AND FEE(S) DUE

20792 7590 62/17/2009 MYERS BIGEL SIBLEY & SAIOVEC

PO BOX 37428 RALEIGH, NC 27627 EXAMINER
SCHLIENTZ, NATHAN W

ART UNIT PAPER NUMBER

DATE MAILED: 02/17/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/792,339	03/03/2004	Richard B. Klein	9399-3	4548

TITLE OF INVENTION: METHODS FOR CONTROLLING FUNGI AND BACTERIA

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	YES	\$755	\$0	\$0	\$755	05/18/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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20792 MYERS BIGE PO BOX 37428 RALEIGH, NC	7590 02/17 L SIBLEY & SA. 27627		C .	I be	Cer reby certify that th	tificate	of Mailing or Trans	mission g deposited with the United it class mail in an envelope above, or being facsimile ate indicated below.
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								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.		CONFIRMATION NO.	
10/792,339	03/03/2004			Richard B. Klein			9399-3	4548
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nonprovisional	YES		\$755	\$0	\$0		\$755	05/18/2009
EXAM	INER	Α	ART UNIT	CLASS-SUBCLASS				
SCHLIENTZ,			1616	514-358000				
I. Change of correspondence address or indication of "Fee Address" (37 CR 1.155). Change of correspondence address (or Change of Correspondence Address form PTOSB/122) attached. — "Fee Address" indication (or "Fee Address" Indication form PTOSB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON			orrespondence ion form of a Customer PRINTED ON	(I) the names of up to or agents OR, alternati (2) the name of a singl registered attorney or 2 registered patent atto listed, no name will be ITHE PATENT (print or ty	name of a single firm (having as a member a 2- great alterney or agent) and the names of up to stered patient attorneys or agents. If no name is no name will be printed.			
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NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if req records of the United Sta	uired) wi ites Pater	ill not be accepted at and Trademark	d from anyone other than t Office.	he applicant; a regi	stered	attorney or agent; or th	e assignee or other party in
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MYERS BIGEL SIBLEY & SAJOVEC			SCHLIENTZ, NATHAN W		
PO BOX 37428			ART UNIT	PAPER NUMBER	
RALEIGH, NC 27627		·	1616		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 848 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 848 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/792,339	KLEIN ET AL.	
Examiner	Art Unit	
Nathan W. Schlientz	1616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to Response filed 12 November 2008. The allowed claim(s) is/are 8,9 and 11-22 [renumbered as 1-14]. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1.

Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

 A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 	
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.	

(a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date

(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the

attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7. X Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance

9. ☐ Other

/John Pak/

Primary Examiner, Art Unit 1616

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Art Unit: 1616

EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with attorney Shawna Lemon on 02 February 2009.

The application has been amended as follows:

- In the 3rd line of claim 8, delete the phrase "administering an effective amount a composition comprising" and insert therefor --- administering an effective amount of a composition comprising ---.
- In the 4th line after the structure in claim 8, delete the phrase "wherein R₁, R₂, R₃, or R₄ are independently" and insert therefor --- wherein R₁, R₂, R₃, and R₄ are independently ---.
- Rewrite claim 14 as follows, --- The method according to claim 8, wherein said method for treating agricultural fungal and/or bacterial infections further comprises binding and containing the fungi and/or bacteria in the same area. ---.
- Rewrite claim 15 as follows, --- The method according to claim 8, wherein said administering step is performed on a seed. ---.
- Rewrite claim 16 as follows, The method according to claim 8, wherein said administering step is performed on a plant. —.

- Rewrite claim 17 as follows, --- The method according to claim 8, wherein said administering step is performed on a field used for growing crops. ---.
- In the 4th line after the structure in claim 18, delete the phrase "wherein R₁, R₂, R₃, or R₄ are independently" and insert therefor --- wherein R₁, R₂, R₃, and R₄ are independently ---.
- 2. The following is an examiner's statement of reasons for allowance: the compounds of the instant claims (i.e. stilbazium compounds) are known anthelmintics, as well as for killing bacteria. However, it was not known and it would not have been prima facie obvious to use the stilbazium compounds as agricultural antifungal agents.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

It is noted by the examiner that a non-patent literature search of the structure below in CAPLUS reveals GB 1,018,454. However, the structure below is not disclosed, taught or suggested in the GB '454 patent. The patent discusses the antimicrobial activity of dibenziodolium iodide, but not a compound comprising the generic structure depicted below. Therefore, GB 1,018,454 does not teach or suggest the instant invention and is not prior art.

Application/Control Number: 10/792,339

Art Unit: 1616

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan W. Schlientz whose telephone number is 571-272-9924. The examiner can normally be reached on 8:30 AM to 5:00 PM, Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter can be reached on 571-272-0646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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NWS

/John Pak/ Primary Examiner, Art Unit 1616